

USDA-SCS  
Section II-E  
Technical Guide  
Area 19

(LEAFY BOTTOMLAND)  
~~OVERFLOW SITE~~  
RANGE SITE DESCRIPTION  
PE 19-25

Land Resource Area EP

Location \_\_\_\_\_

Date 1-1-72

1. TOPOGRAPHY AND ELEVATION: This site is usually wide gently sloping flood plains of draws. Elevation ranges from 800 to 2700 feet.
2. SOILS:
  - a. Soils in this site are alluvial soils. Some are deep, well drained, very fertile, calcareous alluvial, silty clay loams. Others may be gravelly or stony. They take up water readily and have a high water storage capacity. Due to their location, this site receives extra water as overflow from streams and higher lying adjacent sites. These factors result in a highly productive site, which will support heavy turfs of grass and at the same time heavy stands of mesquite and mixed brush.
  - b. Some soil taxonomic units which characterize this site are:  
Frio silty clay loam and Dev. soils  
Rioconcho cl
  - c. Specific site location:
3. CLIMAX VEGETATION:
  - a. This is a grassland, dominated by mid-grasses. A variety of woody plants and forbs occur. Woody plants normally are near the channel.

RELATIVE PERCENTAGES

Grasses	90%	Woody Plants	5%	Forbs	5%
Sideoats grama ✓	45	Elbowbush	4	Engelmann daisy	4
Cane bluestem ✓		Littleleaf		Gaura	
Arizona cottontop ✓	10	sumac		Orange zexmania	
Plains bristlegrass ✓		Clematis		Bushsunflower	
Vine-mesquite ✓	10	Whitebrush		Eveningprimrose	
Buffalograss ✓		Tarbrush		Mexican sagewort	
Curlymesquite ✓	15	Vine ephedra		Globemallow	
Tobosa ✓		Lote		Western ragweed	
3-flower melic	5	Black walnut		Hairy tubetongue	
Perennial threeawn		Willow		Ruellia	
Texas wintergrass ✓	5	Butterflybush		Annual forbs	1
White tridens		Hackberry			
Plains lovegrass ✓		Bricklebush	1		
Annual grasses		Spiny hackberry			
		Pricklypear			
		Tasajillo			

- b. As retrogression occurs mesquite and other mixed brush form a dense canopy. Some common invaders are red grama, burrograss, ear muly, annual threeawns, bitterweed, and several annual forb species. Buffalograss usually increases to form a turf.
- c. Approximate annual yield of this site in good to excellent condition ranges from 1800 pounds in dry years to as high as 4000 pounds of air-dry vegetation in good years. Yields vary as does frequency and amount of flooding.
4. WILDLIFE NATIVE TO THE SITE: This site is inhabited by deer, javelina, turkey, rabbit, dove and quail. Also present are several species of non-game birds and animals. Antelope used this site prior to fencing and brush invasion.

5. GUIDE TO INITIAL STOCKING RATES:

a.	<u>Condition Class</u>	<u>Climax Vegetation</u>	<u>Ac/AU/YL</u>
	Excellent	76-100	10-16
	Good	51-75	14-20
	Fair	26-50	18-25
	Poor	0-25	25-35

- b. Seeded areas on productive overflow soils.

Percent Stand	<u>100-76</u>	<u>75-51</u>	<u>50-26</u>	<u>25-0</u>
Mixtures - Ac/AU	7-10	10-15	15-25	25-35

RELATIVE FORAGE QUALITY OF SPECIES 1/

## a. Cattle

<u>Primary</u>	<u>Secondary</u>	<u>Low Value</u>
Sideoats Grama	White tridens	Burrograss
Cane bluestem	Tobosa	Ear muhly
Arizona cottontop	Perennial threeawn	Annual grasses
Plains bristlegrass	Buffalograss	and forbs
Bush muhly	Curlymesquite	Mesquite
Vine-mesquite	Orange zexmenia	Sumac
Texas wintergrass		Whitebrush
Engelmann daisy		Clematis
Bush sunflower		Cactus
		Annuals

## b. Sheep

<u>Primary</u>	<u>Secondary</u>	<u>Low Value</u>
Sideoats grama	Vine-mesquite	Threeawn
Texas wintergrass	Cane bluestem	Tarbrush
Hackberry	Arizona cottontop	Lote
Engelmann daisy	Plains bristlegrass	Mesquite
Gaura	White tridens	Curlymesquite
Orange zexmenia	Buffalograss	Tobosa
Bush sunflower	Ragweed	Burrograss
Selected annuals		Ear muhly
		All cactus
		Other annual
		forb seed
		such as Evax

1/ Definition of terms and an explanation of interpretations is given on a separate page which is attached or submitted with each group of range site descriptions.

EP-OFS

c. Goats

Primary

Sideoats grama  
Plains bristlegrass  
Texas wintergrass  
Sumac  
Butterflybush  
Spiny hackberry  
Engelmannndaisy  
Gaura  
Mexican Sagewort  
Orange zexmenia  
Bushsunflower  
Vine ephedra  
Clematis  
Hackberry

Secondary

Vine-mesquite  
Cane bluestem  
Whitebrush  
Buffalograss  
Annual forbs

Low Value

Mesquite  
Burrograss  
Ear muhly  
Lotebush  
Pricklypear  
Tarbush

d. Deer

Primary

Annual forbs  
Hackberry  
Engelmannndaisy  
Caura  
Vine ephedra  
Butterflybush  
Eveningprimrose  
Texas wintergrass

Secondary

Sumac  
Condalia  
Ragweed  
Mexican sagewort  
Spiny hackberry  
Virginsbower

Low Value

Most grasses  
Mesquite  
Pricklypear  
Tarbush

e. Antelope

Primary

Annual forbs  
Most perennial forbs  
Butterflybush  
Hackberry  
Texas wintergrass

Secondary

Buffalograss  
Other grasses

Low Value

Tarbush  
Tobosa  
Burrograss  
Mesquite

f. Quail, Dove and Turkey

Primary

Seed of:

Western ragweed

Bristlegrass

Sunflower

Croton

Other forbs

Annual grasses

Foliage of grasses

and forbs (turkey)

Secondary

Woody plant seed

Low Value

Seed of:

Burrograss

Tobosa